

SHANIN, N. A.

"Survey of the Works of Young Leningrad Topologists (I. I. Vrublevskaya,
"Space of Closed Sets." A. A. Kubenskiy, "Functional Closed Spaces";
N. S. Ramm, "Regular Families of Coverings."): Usp. Mat. Nauk Vol. 6
No. 4 (44), pp 193-220, 1951.

U-1635, 16 Jan 52

SHANIN, N. A.

Mathematical Reviews
May 1954
Analysis

10-4-54 LL

Sanin, N. A. On subsets of a natural sequence of numbers having density. Mat. Sbornik N.S. 31(73), 367-380 (1952). (Russian)

By the density of a subset A of integers one understands the limit, if it exists, of $\Gamma(A, n)/n$ (as $n \rightarrow \infty$), where $\Gamma(A, n)$ denotes the number of elements of A among the first n -integers. Although sets having density (α -sets) do not even form a field the author tries to construct a theory of α sets which would exhibit similarity to the usual theory of Lebesgue measurable sets. In order to state at least one of the results the following terminology is needed: (a) One says that A is "almost contained" in B ($A \subset B$) if $A - B$ (in the usual point-set theoretic sense) has density 0. (b) A set H is called an "upper limit set" of a collective $\mathfrak{M}$ of α sets if H is an α set and each element of $\mathfrak{M}$ is almost contained in H . One then defines a "minimal upper limit set" in the usual way. The author then proves the following: If $\{D_i\}$ is an ascending sequence of α sets, there exists a set H which is the minimal upper limit set of the collection $\{D_i\}$ and $\alpha(H) = \lim_{i \rightarrow \infty} \alpha(D_i)$. Here $\alpha(\cdot)$ denotes the density of the set in parentheses. A variety of other results is given but it is difficult to reproduce them without further specialized terminology.

M. Kac (Ithaca, N. Y.).

Smirnov Division
Math. Inst. im. Steklo, AS USSR.

SHANINA

Sanin, N. A. On some operations on logico-arithmetic formulas. Doklady Akad. Nauk SSSR (N.S.) 93, 779-782 (1953). (Russian)

This is related to recent work on realizability, constructible falsity, etc., by S. C. Kleene and D. Nelson [see, e.g., Kleene, Introduction to metamathematics, Van Nostrand, New York, 1952, pp. 501 ff.; these Rev. 14, 525]. The author characterizes two operations Δ and ∇ by inductive specifications of which the following are typical clauses:

$$\begin{aligned}\Delta(T=S) &\equiv T=S, & \nabla(T=S) &\equiv (T=S) \\ \Delta(P\&Q) &\equiv \Delta P\&\Delta Q, & \nabla(P\&Q) &\equiv \nabla P\vee\nabla Q \\ \Delta(P\supset Q) &\equiv \nabla P\vee\Delta Q, & \nabla(P\supset Q) &\equiv \Delta P\&\nabla Q \\ \Delta(\forall xP) &\equiv \forall x(\Delta P), & \nabla(\forall xP) &\equiv (\exists x)\nabla P\end{aligned}$$

where T and S are terms, P and Q are formulas, and ' $\equiv$ ' indicates identity by definition. He states various theorems concerning these operations; typical of these is the statement that $\Delta R\supset R$, $\nabla R\supset \neg R$ hold in the intuitionistic calculus, while the converses hold in the classical calculus but are not realizable.

H. B. Curry (State College, Pa.),

JK
RDW

SHANIN, N. A.
SHANIN, N. A.

5

Linnik, Yu. V., and Shanin, N. A., Andrei Andreievich
Markov (on his fiftieth birthday). Uspehi Matem. Nauk
(N.S.) 9, no. 1 (59), 145-149 (1 plate) (1954). (Russian)

①

SHANIN, N-A.

Šanin, N. A. On imbeddings of the classical logico-arithmetical calculus into the constructive logico-arithmetical calculus. Doklady Akad. Nauk SSSR (N.S.) 94, 193-196 (1954). (Russian)

This is a continuation of a previous paper by the same author [same Doklady (N.S.) 93, 779-782 (1953); these Rev. 15, 593]. The subject is mappings of the predicate calculus with arithmetic which carry true formulas of the classical calculus into true formulas of the intuitionistic calculus. Such mappings have been constructed by Kolmogorov and Gödel. If α (i.e. the mapping $p \rightarrow \alpha p$) is such a mapping, the author calls α regular if and only if the formula $\alpha p \supset p$ is valid in the intuitionistic calculus. The author gives some examples of regular mappings, and states their relationships to one another and to the irregular mappings of Kolmogorov and Gödel.

H. B. Curry.

62

~~SHANIN, N. A.~~ SHANIN, N. A.

★ Шанин, Н.А. [Šanin, N. A.] О некоторых логических проблемах арифметики. [On some logical problems of arithmetic.] Trudy Mat. Inst. im. Steklov no. 43. Izdat. Akad. Nauk SSSR, Moscow, 1955. 112 pp. 5.20 rubles.

This work is concerned with mapping from a classical "logico-arithmetic system" into a constructive (intuitionist) one. [For an abstract see Dokl. Akad. Nauk SSSR (N.S.) 93 (1953), 779-782; MR 15, 593; also Mostowski, J. Symb. Logic 19 (1954), 297-298.] Here a logico-arithmetic system is an applied predicate calculus with individual variables ranging over natural numbers; one basic predicate, equality, is allowed, and no propositional or predicate variables; there is a constant 0, and the successor, sum, and product functions; and the axioms, besides those derived from the schemes of the logical calculus, express the Peano postulates, the properties of equality, and the recursive definitions of the sum and product. Reference is made to the work of Kleene and Nelson on recursive realizability [see § 82 of Kleene's book, Introduction to metamathematics, Van Nostrand, New York, 1952; MR 14, 525]. The author's constructive

3
1-FW

1/2

Sarin, N. A.

system Σ is very similar to that of Kleene and Nelson; the classical system Σ^+ is obtained by adding all instances of the law of excluded middle. About half of the book is devoted to an exposition of fundamentals which is of some interest from the standpoint of philosophy of formal methods. The last two chapters are devoted to the study of embedding (pogružayushchie; literally "immersing") operators α , where α maps any formula P into an image αP such that, if P is valid in Σ^+ , αP is valid in Σ , and from a proof of αP in Σ one can find a proof of P in Σ^+ (usually because P and αP are equivalent in Σ^+). This subject is the same as §81 of Kleene (loc. cit.); but several operations not treated there are considered here (and vice-versa in a few cases). A chapter is devoted to regular embedding operators, i.e. those such that $P \supset \alpha P$ is recursively realizable (and, in all cases considered, derivable in Σ). The operators of Kolmogoroff, Gödel, etc. did not have this property. Several examples of such transformations are considered; some simple ones make considerable disturbances in P , while others which are more complex, make less disturbances. The interrelations between these are investigated, and full proofs are given. *H. B. Curry.*

3
1-F/W

7/2

SHANIN, N. A.

Transactions of the Third All-union Mathematical Congress (Cont.) Moscow, Jun-Jul '56, Trudy '56, V. 1, Sect. Rpts., Izdatel'stvo ANSSSR, Moscow, 1956, 237 pp. There are 2 references, 1 of which is USSR, and another is English.

Call Nr: AF 1108825

Tseytin, G. S. (Leningrad). Problem of Identification of the Properties of Associative Calculus.

189

Mention is made of Markov, A. A.

There are 2 references, both of them USSR.

Shanin, N. A. (Leningrad). On Constructive Understanding of Mathematical Reasoning.

189-190

Mention is made of Kolmogorov, A. N.

There are 2 references, 1 of which is USSR, and the other English.

Shestakov, V. I. (Moscow). Vectorial-algebraic Method Applied to the Analysis and Synthesis of Multicycle Relay Systems. 190-191

Card 61/80

SHANIN, N.A.

Constructive understanding of mathematical judgements. Trudy Mat.
inst. 52:226-311 '58. (MIRA 11:7)
(Logic, Symbolic and mathematical)

SHANIN, N.A.

Editor's foreword. Trudy Mat.inst. 67:3-7 '62. (MIRA 16:2)
(Mathematical analysis)

SHANIN, N.A.

Recursive real numbers and recursive functional spaces. Trudy
Mat.inst. 67:15-294 '62. (MIRA 16:2)
(Numbers, Theory of) (Mathematical analysis)
(Spaces, Generalized)

KAGORNTY, N.M.; SHANTIN, N.A.

Andrei Andreevich Markov, 1903- ; on his 60th birthday. Usp.
mat. nauk 19 no.3:207-223 My-Je '64.

(MIRA 17:10)

L 62807-65 EWT(d) IJP(c)

ACCESSION NR: AT5017619

UR/2517/64/072/000/0348/0379

17
15
BT/

AUTHOR: Shanin, N. A.

TITLE: The constructive understanding of key formulas. Part I

SOURCE: AN SSSR. Matematicheskiy institut. Trudy, v. 72, 1964. Problemy konstruktivnogo napravleniya v matematike; sbornik rabot (Problems of constructive direction in mathematics), no. 3, 348-379

TOPIC TAGS: constructive formalism, operative logic, semantics, key formula, K algorithm, canonical calculus, L calculus

16

ABSTRACT: This is essentially a continuation of an earlier paper by the same author (Trudy Matem. inst. im. V. A. Steklova, LII, 226-311, 1958) which contained the definition of the "Key formula". (The author insists that some of the results of this earlier paper were misunderstood by A. Heyting, who reported on the paper in Math. Rev. 21, no. 1, 1960, pp 1-2.) The present paper was prompted by the discovery that the semantics of operative logic as proposed by Lorenzen (Einfuehrung in die operative Logik und Mathematik, Berlin, Springer-Verlag, 1955) cannot yield a constructive interpretation of the normal key formulas. Consequently, in this first part of the work, the author formulates a special logico-mathematical

Card 1/2

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ACCESSION NR: AT5017619

2

language - the language of the primary λ formulas - which is particularly suitable for the above-mentioned purposes, and in connection with a fixed starting calculus he formulates a definite interpretation of these primary λ -formulas whose rank does not exceed two. The interpretation of higher-order λ -formulas will constitute the subject of the second part of the work, which will also discuss the representation of arbitrary key formulas. While, in the first paper, the author utilized the normal algorithm approach, in the present paper his interpretation of the normal key formulas is based on the second exact algorithm concept in the given alphabet - the so-called K-algorithm. A generalization of E. L. Post's calculus (Amer. Journ. of Mathem., 65, no. 2, 197-215, 1943) is also given. "The author is indebted to the participants in the Leningrad seminar on mathematical logic and constructive mathematics, and particularly to S. Yu. Maslov, for discussions of the work and for important remarks." Orig. art. has: 129 formulas.

ASSOCIATION: Matematicheskiy institut AN SSSR (Institute of Mathematics, AN SSSR)

SUBMITTED: 00

ENCL: 00

SUB CODE: MA

NO REF SOV: 005

OTHER: 010

Card 2/2

BANKETOV, A.K.; KONONOV, S.I.; SHANIN, N.I.

Mining equipment for open cut mining in foreign countries.

Gor.zhur. no.5:47-52 My '55.

(MIRA 8:7)

(Mining machinery) (Strip mining)

SHANIN, N. P., Cand Tech Sci — (diss) "Investigation of the Extrusion-
Rheological Properties of Polyvinyl Chloride Plastic and Stresses in a
Single-Screw Extruder," Moscow, 1960, 17 pp, 220 copies (Moscow Institute
of Chemical Machine Building) (KL, 48/60, 114)

SHANIN, N.P.; LEVIN, A.N.

Investigating the axial forces of a single-screw extruder in
the processing of polyvinylchloride plasticates. Plast.
massy no.2:36-43 '60. (MIRA 13:6)

(Plastics)

(Extrusion process--Equipment and supplies)

10. P430
11. 22-20

10.2
S/191/62/000/005/011/012
B104/B108

AUTHOR: Shanin, N. P.

TITLE: The determination of the extrusion-rheological properties of plastics by means of pressing through a ring slot

PERIODICAL: *Plasticheskiye massy*, no. 5, 1962, 62 - 63

TEXT: An improved extrusion head (Fig.) is proposed which permits determining the pressure gradient along a ring-slot channel with a steady flow of plastic. It is shown that the viscosity μ_1 and the rheological constant n of plastics can be determined from measurements of the volume delivery and of the pressure drop. The outer diameter of the ring slot in the suggested device is 30 mm, the inner diameter is 28 mm, and $l = 70$ mm. μ_1 reaches up to $10^6 \text{ dyn} \cdot \text{sec}^{1/n} \cdot \text{cm}^2$ in the range of the pressing velocity gradient of from $8.3 \cdot 10^{-1} \text{ sec}^{-1}$ to $1.75 \cdot 10^2 \text{ sec}^{-1}$. There is 1 figure.

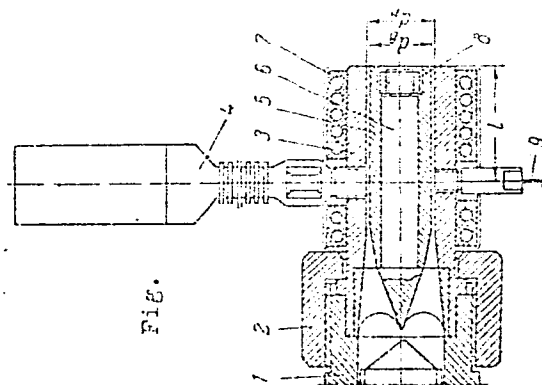
Card 1/2

The determination of the...

S/191/62/000/005/011/012
B104/3108

Fig. Extrusion head.

Legend: (1) extrusion cylinder; (2) nut; (3) master; (4) pressure pickup; (5) mandrel; (6) mandrel carrier; (7) electric heater; (8) nut; (9) thermocouple.



Card 2/2

SHANIN, N.P.

Pressure gauge with a rotating piston. Plast.massy no.6:42-43
'62. (MIRA 15:6)
(Plastics--Testing) (Pressure gauges)

L 51496-65 EPF(c)/EWP(j)/EWT(m)/T Pc-4/Pr-4 RM

ACCESSION NR: AP5016497

UR/0191/64/000/011/0049/0051

AUTHOR: Shanin, N. P.

TITLE: New method of determining the rheological constants of polymer melts

SOURCE: Plasticheskiye massy, no. 11, 1964, 49-51

TOPIC TAGS: polymer, solid mechanical property

ABSTRACT: An expression is derived for the dependence of the time of extrusion of a polymer melt through a cylindrical channel with known radius and length at constant temperature (i.e., constant rheological constants), on the pressure. An instrument (extruding rheometer) was designed for determining the rheological constant of the material by comparing the time of extrusion of a portion of the material of the same volume through a channel of constant dimensions under the action of two known but differing pressures. The results obtained according to a graph constructed for a concrete value of the instrument constant were in good agreement with the experimental data.

Orig. art. has: 1 figure, 1 graph, 1 table, 13 formulas.

Card 1/2

SHANIN, P.A.

The Leningrad district of the capital. Gor.khoz.Mosk. 28 no.6:6-9
Je '54. (MLRA 7:7)

1. Predsedatel'ispolkoma Leningradskogo raysoveta.
(Moscow--City planning) (City planning--Moscow)

SHANIN, P. I.

4550. CHEMICAL STRUCTURE OF ALKYLPHENOLS AND THEIR ACTIVITY AS
DEPRESSANTS. Shanin, P.I. and Sher, V.V. (Trud. Inst. Nefti (Trans. Inst.
Petrol., Acad. Sci. U.S.S.R.), 1956, vol. 8, 160-184). Eighteen

alkylphenols were synthesized, nine of which had not previously been
described in the literature. Their structures and properties as pour point
depressants are tabulated and the relation between structures and properties
are discussed. Ortho-normal-octadecyl phenol alkylized with chlorinated
isobutylene, and tri-tertiary octadecylphenol, are particularly effective
depressants. (L).

KAUFMAN, M.M., inzhener; GLEYBERG, A.Z., inzhener; NODEV, E U., inzhener;
SHANIN, P.K., inzhener.

Practice in pipe reduction by tension. Stal' 16 no.6:541-545
Je '56. (MLRA 9:8)

1. Pervoural'skiy Novotrubnyy zavod.
(Rolling (Metalwork)) (Pipe, Steel)

PLYATSKOVSKIY, O.A., kand.tekhn.nauk; Prinimali uchastiye: OSLOM, N.D.;
NODEV, E.O.; DEVYATISIL'NIY, V.I.; SULTINSKIKH, A.N.; SHANIN, P.K.;
KUKARSKIKH, V.I.; RAKHNOVETSKIY, L.Y.; DUYEV, V.N.

New technological processes used in rolling 102-170 mm. diameter
pipes of stainless steel 1Kh18N9T. Biul.nauch.-tekhn.inform.VNITI
no.4/5:24-30 '58. (MIRA 15:1)

(Pipe mills)

SHANIN, S., inzhener

A spiral sedimentation tank. Zhil.-kom.khoz.5 no.5:26 '55.
(Water supply engineering) (MLRA 8:11)

SHANIN, S.A.

Planning zone networks of self-flowing water pipes. Vod.i san.
tekhn. no.7:5-7 J1 '57. (MIRA 10:11)
(Water-supply engineering)

SHANIN, S.A.; BALABAY, F.I.

Using filters with major mud-filtering capacity in purifying water.

Vod. i san. tekhn. no.6:13-14 Je '58.

(MIRA 11:5)

(Alma-Ata--Filters and filtration)

ORAZIMBETOV, N.O.; SERDYUKOV, M.M.; SHANIN, S.A.; DUZINKEVICH, S.Yu.,
inzh., nauchnyy red.; VILKOV, G.M., red.izd-vs; MEDVEDEV, L.Ya.,
tekhn.red.; OSENKO, L.M., tekhn.red.

[The Ashkhabad earthquake of 1948; engineering analysis of after-
effects of the earthquake] Ashkhabadskoe zemletriasenie 1948 g.;
inzhenernyi analiz posledstviy zemletriaseniya. Moskva, Gos.
izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam, 1960. 306 p.
(MIRA 13:6)

(Turkmenistan--Earthquakes and building)

SHANIN, S.A. (Alma-Ata)

Controlling sludge ice in Kazakhstan. Vod. i san. tekhn.
no.2:36-37 F '61. (MIRA 14:7)
(Alma-Ata—Water-supply engineering)
(Ice on rivers, lakes, etc.)

SHANIN, S.A.; BALABAY, F.I.; KONONENKO, D.F.; MIKULIN, G.I. [Mykulin, H.I.];
BOROVSKAYA, N.V. [Borovs'ka, N.V.]; SHINKEVICH, A.P. [Shynkevych, A.P.];
LIBERZON, L.M.; AMELIN, A.G. [Amelin, A.H.]; BURYAK, K.A.; PECHONKIN,
V.V. [Piechonkin, V.V.]; YATSENKO, N.N.; GAL'PERIN, N.I. [Hal'perin,
N.I.]; PEBALK, V.L.; CHEKHOMOV, Yu.K.

Inventions and improvements; certificates of inventions. Khim.prom.
[Ukr.] no.2:62-64 Ap-Je '65. (MIRA 18:6)

VASILEVSKIY, M.N., kand.tekhn.nauk; SHANIN, S.I.

Use of guide ropes. Ugol' Ukr. 6 no.9:25-27 S '62. (MIRA 15:9)

1. Zamestitel' glavnogo mekhanika kombinata Donetskugol' (for Shanin).

(Mine hoisting)

SHANIN, Serafim Stepanovich; VELISHCHANSKIY, V.M., red.

[Structure of pine and larch stands in Siberia] Stroenie
sosnovykh i listvennichnykh drevostoev Sibiri. Moskva,
Lesnaia promyshlennost', 1965. 104 p. (MIRA 18:7)

SHANIN, S.S.

CHIKILEVSKIY, Nikolay Nikolayevich, prof.; TIKHOMIROV, B.N., dotsent, kand. sel'skokhozyaystvennykh nauk, retsenzent; SHANIN, S.S., dots. kand. sel'skokhozyaystvennykh nauk, retsenzent; ZAKHAROV, V.K., prof.; retsenznet; VZyatyshev, F.V., inzh., retsenzent; ANUCHIN, N.P., prof., red.; KHLATIN, S.A., red.; ARNOL'DOVA, K.S., red.izd-va. BACHURINA, A.M., tekhn.red.

[Forest management] Lesoustroistvo. Moskva, Goslesbumizdat, 1957. 331 p. (MIRA 11:7)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk (for Anuchin).
2. Kafedra taksatsii i lesoustroystva Sibirskogo lesotekhnicheskogo instituta (for Tikhomirov, Shanin).
3. Otdel lesoustroystva Vsesoyuznogo ob"yedineniya Lesproekt (for Vzyatyshev).
4. Belorusskiy lesotekhnicheskii institut (for Zakharov)
(Forest management)

5/10/74, V.F.
USSR/Meadow Cultivation. The Meadow.

K-1

Abs Jour: Referat Zh.-Biol., No 6, 1957, 22628

Author : Shanin, V.F.

Inst :

Title : Seed Production of Wildly Growing Meadow Grasses.

Orig Pub: Sb. stud. rabot. Yaroslavsk. s.-kh. in-ta, 1956, No 1, 60-64

Abstract: During the summer of 1954 on the Voroshilov kolkhoz of the Rostov district in the Yaroslav oblast, a determination of seed productivity of meadow grasses by natural and seeded meadows was conducted. The average yield of seeds by meadow timothy on a natural meadow was ~ 140 kg/hectares, but on a seeded one ~ 277 centners/hectare [pic]. On natural meadows Bekmania yielded up to 198, white bent grass up to 60 and foxtail up to 150 kg/hectare of seeds.

Card : 1/1

-6-

SHANIN, V.P.

All-Union Scientific and Technological Conference on the Use of
Nondestructive Metal Flaw Detection Techniques in Power Engineering.
Energ. i elektrotekh. prom. no.4:69-70 O-D '64.

(MIRA 18:3)

SHANIN, V.P., inzh.

Conference of efficiency experts. Energ. i elektrotekh. prom.
no.4:71-72 O-D '65. (MIRA 19:1)

SHANIN, Yu.N.

Brigade system for the work of ship crews. Rech.transp.16 no.7:29-30
Ji '57. (MLRA 10:9)

1. Zamestitel' nachal'nika otдела kadrov, truda i zaruby Stalin-
gradskogo parokhodstva.
(Ships--Manning)

SHANIN, Yu. N.

"Data Concerning the Pharmacological Inheritance Left by I. M. Sechenov,"
a report presented at the 577th meeting of the Pharmacology and Toxicology
Section, Leningrad Society of Physiologists, Biochemists, and Pharmacologists
im. I. M. Sechenov, ~~9 June~~ 1954, Farm. i Toks., Ju-Aug 55, pp. 60-63
21 05

Chair of Pharmacology, Military Medical Academy im. S. M. Kirov

Sum. 900, 26 Apr 56

SHANIN, Yu. N.

"Pharmacological Characteristics of Certain Biquaternary Ammonium Salts," a report presented at the 587th meeting of the Pharmacology and Toxicology Section, Leningrad Society of Physiologists, Biochemists and Pharmacologists im. I. M. Sechenov, 28 Dec 54, Farm. i Toks. Ju-Aug. 55, pp. 60-63

Chair of Pharmacology, 1st Leningrad Med. Inst.

Sum. 900, 26 Apr 56

ARBUZOV, S.Ya., professor; D'YACHENKO, P.K., kandidat meditsinskikh nauk
SHAYIN, Yu.N.

Drugs used in surgery under general hypothermia. Vest.khir. 76
no.7:60-73 Ag '55. (MLRA 8:10)

L. Iz kafedry farmakologii (nach-prof. S. Ya.Arbuzov) i kliniki
obshchey khirurgii (nach-prof. V.I.Popov) Voenno-meditsinskoy
ordena Lenina akademii im. S.M.Kirova.

(BODY TEMPERATURE

hypothermia in surg.,chemother in)

(SURGERY, OPERATIVE

controlled hypothermia with chemother.)

(CHEMOTHERAPY

in surg. under hypothermia)

POPOV, V.I. professor; D'YACHENKO, P.K., kandidat meditsinskikh nauk; SHANIN,
Yu.N.

First experience and prospects for the use of hypothermia in
surgery. Vest. khir. 76 no.11:11-22 '55 (MLRA 9:4)

1. Iz kliniki obshchey khirurgii (nach.-prof. V.I. Popov) i
kafedry farmakologii (nach.-prof. S.Ya. Arbuzov) Voenno-meditsinskoy
ordena Lenina akademii imeni S.M. Kirova.

(BODY TEMPERATURE

hypothermia, induced, in surg., methods & evaluation)

(SURGERY, OPERATIVE,

hypothermia in, methods & evaluation)

SHAMIN, Yu. N., and UVAROV, P. S.

"Characteristics of Anesthesia Under Conditions of Artificial Hypothermia During Operations on the Heart and Major Vessels," from the book Theses of the Reports of the Scientific Session of the Military Medical Academy im. S. M. Kirov, Tezisy Dokladov nauchnoy Sessi, Leningrad, 29 Oct-2 Nov 1956.

CHERNIN, EN. A., VOLKOV, V. M., DANYUSHKIN, I. I., and ARBUZOV, S. M.

"Pharmacological Characteristics of Certain New G anglion-Blocking and Neuroplegic Agents Used in General Anesthesiz and Hypothermia," from the book Theses of the Reports of the Scientific Session of the Military Medical Academy im. S. M. Kirov, Tезisy Dokladov Nauchnoy Sessi, 29 Oct-2 Nov 1956, Leningrad.

ASHULOV, S.YA., BARYSHNIKOV, I.I., VINOGRADOV, V.M., SHANIN, YU.N.

"Pharmacological Characteristics of Certain New Ganglion-Blocking and Neuroplegic Agents Used in General Anesthesia and Hypothermia," p. 20, Military Medicine 1956.

lecture delivered at a conference of Soviet military physicians at the Military Medical Academy im. S.M. Kirov, Leningrad, 29-October - 2 Nov 56.

UVAROV, B.S., SHAMIN, YU.N.

"Characteristics of Anesthesia Under Conditions of Artificial Hypothermia During Operations on the Heart and Major Vessels," p. 26 Military Medicine 1956.

lecture delivered at a conference of Soviet military physicians at the Military Medical Academy im. S.M. Kirov, Leningrad, 29-October - 2 Nov 56

SHANIN, Yu. N.

Med
✓ Influence of aminazine on certain functions of central nervous system. I. I. Baryshnikov, V. M. Vinogradov, M. I. Nikiforov, and Yu. N. Shanin. *Zhur. Vysshei Nervnoi Deyatel'nosti im. I. P. Pavlova*, 6, 881-90 (1956).
—Synonyms for aminazine are: megapben, chlorpromazine, 4500 RP, torazin, largactil, and SKP-2601-A. Administration of 3-5 mg./kg. of aminazine leads to lowered electric activity of the brain. After the first dose of 0.5-1.5 mg./kg. of aminazine there is a decrease in conditioned reflex activity. Strychnine in doses of 50 γ /kg. restores the reflex activity which was inhibited by aminazine. J. A. Stekol

SHANIN, Yu.N.

Pharmacological investigations of I.M. Sechenov. Farm. i toks. 19
no.1:51-54 Ja-F '56. (MLRA 9:5)

(PHARMACOLOGY, history,
contribution of I.M. Sechenov (Rus))

SHANIN, Yu.N.

Pharmacology of ganglionblocking and neuroplegic agents used in
anesthesiology. Eksper.khir. 2 no.3:59-63 My-Je '57. (NIPA 10:10)

(AUTONOMIC DRUGS

ganglion-blocking agents, pharmacol.)

UVAROV, B.S., SHANIN, Yu.N., kand.med.nauk, GADZHIYEV, S.A., kand.med.nauk

Anesthesia in mitral commissurotomy [with summary in English].
Khirurgiia 34 no.6:66-74 Je '58 (MIRA 11:8)

1. Iz khirurgicheskoy kliniki dlya usovershenstvovaniya vrachey
(nach. - destvitel'nyy chlen AMN SSSR prof. P.A. Kupriyanov)
Voyenno-meditsinskoy ordena Lenina Akademii imeni S.M. Kirova.
 (COMMISSUROTOMY, anesthesia & analgesia
 in mitral stenosis, method (Rus))
 (ANESTHESIA,
 in commissuroty for mitral stenosis, method (Rus))

SHANIN, Yu.N., kand.med.nauk (Leningrad, Zverinskaya ul., d.17-a, kv.14)

Premedication with diprazine and mepazine [with summary in English].
Vest.khir. 81 no.7:85-93 J1 '58 (MIRA 11:8)

1. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey (nach.
-prof. P.A. Kupriyanov) Voenno-meditsinskoy ordena Lenina akademii
im. S.M. Kirova.

(HIBERNATION, ARTIFICIAL,
diprazine & mepazine lytic cocktail in visceral surg.
(Rus))

(ABDOMEN, surgery
premedication with diprazine-mepazine lytic cocktail
(Rus))

(THORAX, surgery,
same (Rus))

MESHCHERYAKOV, N.A.; UVAROV, B.S.; SHANIN, Yu.N.

Use of ganglion-blocking agents in surgery of the major blood vessels and of the heart. Grud. khir. 1 no.4:44-50 J1-Ag '59.
(MIRA 15:3)

1. Iz khirurgicheskoy kliniki dlya usovershenstvovaniya vrachey i kafedry anesteziologii (nachal'nik - deystvitel'nyy chlen AMN SSSR prof. P.A. Kupriyanov) Voenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova. Adres avtorov: Leningrad, pr. Karla Marksa, d.7/8, Khirurgicheskaya klinika dlya usovershenstvovaniya vrachey Voenno-meditsinskoy akademii imeni S.M. Kirova.
(AUTONOMIC DRUGS) (BLOOD VESSELS--SURGERY)
(HEART--SURGERY)

GRIGOR'YEV, M.S., prof.; SHANIN, Yu.N., kand.med.nauk; UVAROV, B.S.

"Brief practical manual on anesthesia" by IU.V. Beringer, A.A. Zikov.
Reviewed by M.S. Grigor'ev, IU.N. Shanin, B.S. Uvarov. Vest.khir. 83
no.8:142-144 Ag '59. (MIRA 13:1)
(ANESTHESIOLOGY) (BERINGER, IU.V.) (ZYKOV, A.A.)

SHANIN, Yu.N., GRIGORYEV, M. S., (Prof.) AKSENOV, B. N., IZBINSKIY, A. P.,
MESHCHERYAKOV, N. A., and UVAROV, B. S. -- Leningrad

"Athesia for Intrathoracic Operations on the Esophagus."

Report submitted for the 27th Congress of Surgeons of the USSR, Moscow,
23-28 May 1960.

SHANIN, Yu.N.; BURMISTROV, M.I.; Balyuzek, F.V.; ERMILOV, N.I.

Surgery on the open heart with the D. Milrose apparatus. Vest.
khir. 84 no.1:129-132 Ja '60. (MIRA 13:10)
(PERFUSION PUMP (HEART))

KUPRIYANOV, P.A.; VINOGRADOV, V.M.; MESHCHERYAKOV, N.A.; UVAROV, B.S.;
SHANIN, Yu.N.

Demands of contemporary anesthesiology on pharmacology and pharmaceutical
chemistry. Vest. khir. 84 no. 4:86-93 Ap '60. (MIRA 14:1)
(ANESTHESIOLOGY) (PHARMACOLOGY)

SHANIN, Yu.N.

On decurarization. Vest. khir. 84 no.5:84-87 Ny '60.

(MIRA 13:12)

(NEOSTIGMINE)

(CHOLINE)

SINEVICH, Ye.Ye.; SHANIN, Yu.N.

Bronchoscopy under anesthesia in the case of apnea. Vest. khir. 85
no. 7:33-39 Je '60. (MIRA 14:1)

(BRONCHOSCOPY)

SHANIN, Yu.N., kapitan meditsinskoy sluzhby

Technic of automatic inhalation universal anesthesia and apparatus
for its administration. Voen.-med. zhur. no.6:66-70 Je '61.

(MIRA 14:8)

(ANESTHESIOLOGY--APPARATUS AND INSTRUMENTS)

KUPRIYANOV, P.A., prof.; SHANIN, Yu.N., kand.med.nauk

Sergei Sergeevich Iudin and his influence on the establishment
of anesthesiology in the U.S.S.R. Vest.khir. no.10:25-29 '61.

(MIRA 14:10)

(IUDIN, SERGEI SERGEEVICH, 1891-1954)
(ANESTHESIOLOGY)

BALYUZEK, F.V., kand.med.nauk; SHANIN, Yu.N., kand.med.nauk;
BURMISTROV, M.I.; YERMILOV, N.I.; KARIMOVA, T.V.

Use of extracorporeal circulation in experimental open heart
surgery. Vest.khir. 87 no.11:24-30 N '61. (MIRA 15:11)

1. Iz 1-y khirurgicheskoy kliniki usovershenstvovaniya vrachey
i kafedry anesteziologii (nach. - prof. P.A. Kupriyanov) Voenno-
meditsinskoy ordena Lenina akademii im. S.M. Kirova.
(PERFUSION PUMP (HEART))

KUPRIYANOV, P.A., prof.; BLESTKINA, T.G.; IZBIRSKIIY, A.L., dotsent;
TOLUZAKOV, V.L., kand.med.nauk; SHANIN, Yu.N., kand.med.nauk

Postoperative period in patients with acquired heart defects.
Khirurgiia no.1:23-30 '62. (MIRA 15:11)

1. Iz khirurgicheskoy kliniki dlya usovershenstvovaniya vrachey
No.1 (nach. - deystvitel'nyy chlen AMN SSSR prof. P.A. Kupriyanov)
Voyerno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.
(HEART--SURGERY)

KUTUSHEV, F.Kh.(Leningrad, K-156, prosp. Engel'sa, d.28,kv.150); SHANIN, Yu.N.;
ZORIN, A.B.
Removal of foreign bodies from the respiratory tract. Grud.khir.
no.4:104-106 JI-Ag '62. (MIRA 15:10)
(RESPIRATORY ORGANS---FOREIGN BODIES)

SHANIN, Yu.N., kand.med.nauk; SIPCHENKO, V.I.

Management of the time of operation in extensive thoracoplasties.
Khirurgiia no.9:102-107 '62. (MIRA 15:10)

1. Iz kafedry anesteziologii i khirurgicheskoy kliniki usover-
shenstvovaniya vrachey No. 1 (nach. - deystvitel'nyy chlen
AMN SSSR prof. P.A.Kupriyanov) Voenno-meditsinskoy ordena
Lenina akademii imeni S.M.Kirova.
(CHEST--SURGERY)

SHANIN, I. N.

BAI YUZEK, F.V.; BURMISTROV, M.I.; DZUTSOV, N.K.; YERMILOV, H.I.; KARIMOVA,
T.V.; SKORIK, V.I.; UVAROV, B.S.; SHANIN, Yu N.; SHAMARINA, T.N.

Artificial circulation in surgery of the heart and large vessels.
Grud.khir. no.4:33-39 J1-Ag '62. (MIRA 15:10)

1. Iz kliniki khirurgii usovershenstvovaniya vrachey No. 1 (nach. -
deystvitel'nyy chlen AMN SSSR prof. N.A.Kupriyanov) Vcyenno-
meditsinskoy akademii imeni S.M.Kirova. Adres avtorov: Leningrad,
K-9, pr. K.Marksa, d. 5/20 Khirurgicheskaya klinika dlya
usovershenstvovaniya vrachey No. 1.

(HEART—SURGERY)
(PERFUSION PUMP (HEART))

SHANIN, Yu.N.; STASYUNAS, V.P.; UVAROV, B.S...; MESHCHERYAKOV, N.A.

Use of imbretil in anesthesia with controlled respiration.
Vest.AMN SSSR 17 no.8:53-56 '62. (MIRA 15:12)

1. Kafedra anesteziologii Voenno-meditsinskoy ordena Lenina
akademii imeni S.M.Kirova.
(IMBRETIL) (ANESTHESIA)

SHANIN, Yu.N. (Leningrad, ul. Zverinskaya, d. 17-a kv. 14)

Automatic intratracheal ether anesthesia in lung operations. Grud.
khir. 3 no. 1:89-95 Ja-F '61. (MIRA 16:5)

1. Iz kafedra anesteziologii i khirurgicheskoy kliniki dlya
usovershenstvovaniya vrachey No. 1 (nachal'nik - deystvitel'nyy
chlen AMN SSSR, zasluzhennyy deyatel' nauki prof. P.A. Kupriyanov)
Voyenno-meditsinskoy ~~ordena~~ Lenina akademii S.M. Kirova.
~~INTRATRACHEAL ANESTHESIA~~ (LUNGS—SURGERY)

SHANIN, Yu.N., kand.med.nauk; SIPCHENKO, V.I.

Obturation of the bronchi in operations on the lungs. Vest.
khir. 90 no.2:140-144 F'63. (MIRA 16:7)

1. Iz kafedry anesteziologii i l-y khirurgicheskoy kliniki usov-
vershenstvovaniya vrachey (nachal'nik - prof. P.A.Kupriyanov)
Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova. Adres
avtorov: Leningrad, pr. Karla Marks, d.5/20, kafedra aneste-
ziologii Voyenno-meditsinskoy ordena Lenina akademii imeni
Kirova.

(LUNGS—SURGERY) (BRONCHI)

SHANIN, Yu.N.: UVAROV, B.S.; MESHCHERYAKOV, N.A.; STASYUNAS, V.P.; KARIMOVA
T.V.; KIVIK, A.A.; KROKHALEV, Yu.S.; LIVANOVA, T.B.; LOPATIN, V.A.;
LYUBICHEVA, Z.L.; SIPCHENKO, V.I.

Characteristics of the anesthesia and work of the anesthesiolo-
gist in surgery with artificial blood circulation. Grud.khir.
5, no.1:116-121 Ja-F'63. (MIRA 16:7)

1. Iz kafedry anesteziologii (nachal'nik - deystvitel'nyy chlen
AMN SSSR prof. P.A.Kupriyanov) Voenno-meditsinskoy ordena Lenina
akademii imeni S.M. Kirova.

(SURGERY, OPERATIVE) (BLOOD--CIRCULATION, ARTIFICIAL)

LIBOV, A.S. (Leningrad K-9, ul. Lebedeva, d.4/2, kv. 28); SHANIN, Yu.N.

Use of heptaminol following surgery with artificial blood circulation. Grudn. khir. 5 no.4:79-82 J1-Ag'63 (MIRA 17:1)

1. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey No.1 i kafedry anesteriologii (nachal'nik - prof. P.A.Kupriyanov [deceased] Voenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.

YUR'YEV, Yu.N.; SHANIN, Yu.N., kand. med. nauk

Automatic endotracheal ether anesthesia in orthopedic operations.
Ortop. travm. i protez. 24 no.6:18-23 Je'63 (MIRA 16:12)

1. Iz kliniki ortopedii i travmatologii (nachal'nik - prof. L.L.Krupko) i kafedry anesteziologii (nachal'nik - deystvitel'nyy chlen AMN SSSR prof. P.A.Kupriyanov [deceased]) Voenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova. Adres Yur'yeva: Leningrad K-9, Botkinskaya ul., d.13, Klinika travmatologii i ortopedii Voenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.

KRUPKO, I.L. prof. (Leningrad, K-9, ul. Smirnova, d.8.kv.5); SHANIN, Yu.N.,
dotsent; YUR'YEV, Yu.N.; OVCHINNIKOV, Yu.I.

Some problems of anesthesia and resuscitation in traumatology.
Ortop. travm. i protez. 24 no.6:72-81 Je'63 (MIRA 16:12)

SHANIN, Yu.N., kand.med. nauk (Leningrad, Zverinskaya ul., d.17-a, kv.14); FULATOV, A.T., dotsent; YURCHENKO, M.V.

Function of the adrenal cortex in surgery of the thoracic organs under automatically controlled anesthesia. Vest. khir. 70 no.6:109-113 Je'63 (MIRA 16:12)

1. Iz 1-y kliniki obshchey khirurgii (zav. - prof. A.V. Smirnov) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta, kafedry anesteziologii (nachal'nik - prof. P.A.Kupriyanov [deceased]) i 1-y gosspital'noy khirurgicheskoy kliniki (Nachal'nik - prof. I.S.Kolesnikov) Voenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.

SHANIN, Yu.N., dotsent; SIPCHENKO, V.I.

Intubation and oburation of the bronchi during pneumonectomy.
Klin. khir. no.3:57-62 '65. (MIRA 18:8)

1. Kafedra anesteziologii i khirurgicheskaya klinika dlya usovershenstvovaniya vrachey No.1 (nachal'nik - deystvitel'nyy chlen AMN SSSR, prof. P.A.Kupriyanov [deceased]) Voenno-meditsinskoy ordena Lenina akademii imeni Kirova, Leningrad.

KAZANTSEV, Anatoliy Mikhaylovich, dots., kand. tekhn. nauk;
KALININ, Boris Arkhipovich, inzh.; SHANIN, Yu.N., retsenzent;
RZHECHITSKIY, B.D., retsenzent; YELISTRATOV, S.I., red.;
LOBANOV, Ye.M., red. izd-va; RIDNAYA, I.V., tekhn. red.

[Establishing work norms for loading and unloading work] Normirovanie truda na pogruzochno-razgruzochnykh rabotakh. Moskva, Izd-vo "Rechnoi transport," 1962. 196 p. (MIRA 15:7)
(Loading and unloading--Production standards)

1. BRATOLASHIN, P. M., Engg.; BELYASHIN, J. T.; SHAMIN, V. P.
2. USSR (600)
4. Steam Boilers
7. Tenon joint firing belt in the burner zone. Elek. sta., 23, No. 10, 1952
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

TAYTS, N.Yu., doktor tekhn.nauk; KOLESNIK, B.P., kand.tekhn.nauk;
YAKOVSKIY, V.M., kand.tekhn.nauk; KADINOVA, A.S., inzh.;
KAUFMAN, M.M., inzh.; Prinimali uchastiya: POLYAKOVA, N.K.,
inzh.; VOVSINA, A.D., inzh.; SHANINA, A.S., inzh.; KOSTIN, V.I., inzh.

Rapid heat treatment of drill pipes. Stal' 22 no.1:57-60 Ja '62.

(MIRA 14:12)

1. Ukrainskiy nauchno-issledovatel'skiy trubnyy institut (for
Polyakova).

(Pipe, Steel)

(Steel—Heat treatment)

ACCESSION NR: AP4041691

S/0181/64/006/007/1946/1955

AUTHORS: Zevin, V. Ya.; Shanina, B. D.

TITLE: On the theory of paramagnetic resonance in zero and intermediate magnetic fields

SOURCE: Fizika tverdogo tela, v. 6, no. 7, 1964, 1946-1955

TOPIC TAGS: electron paramagnetic resonance, energy level, eigenvector, spin, wave function dipole transition, hyperfine structure

ABSTRACT: In order to help identify the additional EPR lines that appear in zero and in intermediate magnetic fields, the authors calculate the energy levels, the eigenvectors, the spin wave functions, and the magnetic-dipole transitions for two interacting spins in the presence of axial symmetry, for the case when one of the spins is equal to $1/2$ and the other spin is arbitrary. A detailed analysis is made of the probability of zero-field transitions between levels

Card 1/2

ACCESSION NR: AP4041691

of the hyperfine structure of a paramagnetic center in view of the interest that attaches to field-free resonance in the region below microwave frequency. Expressions for the energy levels and for the spin wave functions are also obtained for the case when the smaller of the spins is equal to unity. The small perturbations that bring about super-hfs splitting are briefly discussed. The results can be useful not only in investigations of field-free resonance at the hyperfine structure, but in calculations of the magnetic susceptibility and analysis of exchange interaction between paramagnetic centers. "The authors are grateful to Professor M. F. Deygen for reviewing the manuscript." Orig. art. has: 3 figures and 20 formulas.

ASSOCIATION: Kiyevskiy politekhnicheskii institut (Kiev Polytechnic Institute)

SUBMITTED: 02Jan64

DATE ACQ:

ENCL: 00

SUB CODE: MP

NR REF SOV: 003

OTHER: 014

Card 2/2

GANCZBURG, TS., inzh.; SALAGINA, L., inzh.; SHANINA, L., inzh.

The A.Ivasechko brigade of assemblers sets an example.
Na stroi. Ros. 6 no.2:18-19 F '65.

(MIRA 19#1)

SHANINA, L. T., CAND CHEM SCI, ^{Effect} "ACTION OF ADSORPTION OF
ANION HALIDES ^{upon} ON THE PROCESS OF IONIZATION OF HYDROGEN ON
PLATINUM AND PALLADIUM." ALMA-ATA, 1960. (KAZAKH STATE
UNIV IM S. M. KIROV). (KL, 3-61, 201).

81871

Effect of the Adsorption of Anions on the Process S/020/60/133/02/47/068
of the Discharge of Hydrogen Ions on Palladium and B004/B064
the Ionization of Hydrogen Dissolved in Palladium

differ from that made with 1 N H_2SO_4 , Br^- and particularly I^- cause a disturbance of the reversibility of the process by forming a hysteresis loop (Fig. 1). Special tests showed that the amount of hydrogen adsorbed by Pd does not decrease in the presence of I^- . However, additional I^- ions are adsorbed. Measurements as to the dependence of the Pd electrode potential on the amount of the current passed through 0.005 N KI + 1 N H_2SO_4

(Fig. 2) also showed an incongruity of the curves if these measurements are started at a high or low current density. Furthermore, they showed a linear dependence of the deviation of the potential on the logarithm of the current density. As is shown in Fig. 3 the effect of the I^- ions is considerably less in alkaline solutions. At a transition from acid to alkaline solutions the power of adsorption of the I^- ions decreases. The author expresses his thanks to A. N. Frumkin, Academician, for the subject of the paper and for the interest he took in it. There are 3 figures and 7 Soviet references. *UH*

Card 2/3

81871

Effect of the Adsorption of Anions on the Process S/020/60/133/02/47/068
of the Discharge of Hydrogen Ions on Palladium and B004/B064
the Ionization of Hydrogen Dissolved in Palladium

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova
(Moscow State University imeni M. V. Lomonosov)

PRESENTED: March 9, 1960, by A. N. Frumkin, Academician

SUBMITTED: March 7, 1960

Card 3/3

SHANINA, L.T.

Adsorption of iodide ions on platinum, and its influence on the
process of hydrogen ionization. Dokl.Ak SSSR 134 no.1:141-144
S '60. (MIRA 13:8)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
Predstavleno akad. A.N.Frumkinym.
(Platinum) (Hydrogen) (Iodides)

SHANINA, L.T.

Adsorption of bromide and iodide ions as a factor in the rate at
which hydrogen ionizes at a platinum electrode. Izv. AN Kazakh.
SSR.Ser. khim. no.1:94-99 '60. (MIRA 13:11)
(Hydrogen-ion concentration) (Electrodes, Platinum)
(Adsorption)

SHANINA, L.T.

Effect of the adsorption of halogen anions on the discharge
and ionization of hydrogen on palladium. Trudy Inst.khim.nauk
AN Kazakh.SSR 7:13-18 '61. (MIRA 15:8)
(Ionization of gases) (Hydrogen) (Halogens)

SHANINA, L.T.

Oxidation of iodine adsorbed by flat platinum. Trudy Inst.khim.
nauk AN Kazakh.SSR 7:19-25 '61. (MIRA 15:8)
(Iodine) (Electrodes, Platinum) (Adsorption)

SOKOL'SKIY, D.V.; SHANINA, L.T.

Charging curves on platinum and palladium in the presence of
ethyl alcohol. Trudy Inst.khim.nauk AN Kazakh.SSR 8:37-40 '62.
(MIRA 15:12)

(Electrodes) (Hydrogen) (Ethyl alcohol)

SELITSKAYA, Ye.S.; SHANINA, N.A., red.; MAYOROV, V.V., tekhn.red..

[Basic features in the hydrological regime of the North Sea]
Osnovnye chery gidrologicheskogo rezhima Severnogo moria. Moskva,
Gidrometeor.izd-vo (otd-nie), 1957. 62 p. (Moscow. Gosudarstvennyi
oceanograficheskii institut. Trudy, no.39) (MIRA 10:10)
(North Sea--Hydrology)

MEL'NICHENKO, A.K.; BELOUSOVA, A.G.; KUZ'MINA, A.A.; SHANINA, S.V.

Pay more attention to the study of the geographical distribution of
wild medicinal plants. Apt. delo 10 no.3:14-19 My-Je '61.
(MIRA 14:7)

(BOTANY, MEDICAL)

MEL'NICHENKO, A.K.; KOROLEVA, M.G.; KUZ'MINA, A.A.; SHANINA, S.V.

Basic scientific problems in the field of pharmacy. Apt. del 6.
11 no.5:3-9 S-O '62. (MIRA 17:5)

SHANINA, T.M.; BABAKOV, A.A.; NEGREYEV, V.F.; TUFANOV, D.G.; GADZHIYEVA,
K.G.

Steel corrosion in offshore petroleum industries. Trudy Gipromor-
nefti no.1:13.56 '54. (MLRA 9:12)
(Steel-Corrosion)

SHANINA, T.M.; TIMOFEEV, V.I.; NEGREYEV, V.F.; KIL'CHEVSKAYA, T.Ye.;
GADZHIYEVA, K.G.

Corrosion of welded joints in petroleum industry's offshore
structures. Trudy Gipromornefti no.1:57-69 '54. (MLBA 9:12)
(Structural frames--Welding)
(Corrosion and anticorrosives)

KHANIABOVA, A.G.; NEGREYEV, V.F.; SHANIYA, T.M.; MEYBALIYEVA, G.M.

Oil protection against against marine atmospheric corrosion. Trudy
Gipromornefti no.1:129-143 '54. (MLRA 9:12)
(Protective coatings) (Structural frames)

SOV/137-57-6-10914
Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 6, p 216 (USSR)
AUTHORS: Buzdakov, A. P., Vlasova, T. Kh., Krepkov, D. V., Shanina, T. M.
TITLE: The Corrosion of Iron in Sea Water (O korrozii chuguna v morskoy vode)
PERIODICAL: Tr. Azerb. n. -i. in-t po dobyche nefiti, 1955, Nr 2, pp 414-419
ABSTRACT: Results are presented of tests of several grades of iron (I) subjected to the action of sea water (Caspian) for the purpose of checking their corrosion strength. In all 11 samples were tested. Corrosion strength is determined by difference in weight before and after the experiment. The experiments are conducted with total immersion in sea water and in the splash zone above the water. The following conclusions are drawn from the tests: Austenitic I of the Ni-resist type shows the highest corrosion strength (13-14 times as high as that of steel); followed by 0.41% Ni I, having 5 times the corrosion strength of steel. Next comes I with small additions of Cu and Al which is 2-3 times as resistant as steel. Inoculated I is 50% more corrosion-resistant in sea water than steel. On total immersion in sea water, ordinary gray I displays the same corrosion resistance as carbon steel.

Yu. R.

Card 1/1

NEGREYEV, V.F.; ABRAMOV, D.M.; SHANINA, T.M.

Corrosion and anticorrosion protection of offshore pilings.

Izv.vys.ncheb.zav.; neft' i gaz 1 no.12:125-129 '58.

(MIRA 12:4)

1. Azerbaydzhanskiy industrial'nyy institut im. M.Azizbekova,
Institut khimii AN AzerSSR i Gosudarstvennyy nauchno-issledovatel'-
skiy i proyektnyy institut morskoy nefti.
(Corrosion and anticorrosives) (Piling (Civil engineering))

NEGREYEV, V.F.; KHANLAROVA, A.G.; SHANINA, T.M.; MEKHMANDAROV, S.A.;
KYAZIMOV, A.M.

Corrosion of steel in sea water. Azerb.neft.khoz. 37 no.10:
43-45 0 '58. (MIRA 12:2)
(Steel--Corrosion)

GEL'MAN, N.E.; SHANINA, T.M.

Quantitative analysis of heteroorganic compounds. Microdetermination of phosphorus. Zhur.anal.khim. 17 no.8:998-1004 N '62. (MIRA 15:12)

1. Institute of Heteroorganic Compounds, Academy of Sciences, U.S.S.R., Moscow.

(Phosphorus—Analysis)

(Phosphorus organic compounds)

SHANINA, V.A.; KOLOBUTINA, O.M.; KOTEL'NIKOVA, G.P. (Moskva)

Comparative evaluation of roentgenokymographic and electrokymographic methods in the diagnosis of cardiac aneurysm. Klin.med. 39 no.4:48-55 '61. (MIRA 14:3)

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(HEART--RADIOGRAPHY) (ANEURYSMS) (ELECTROKYMOGRAPHY)